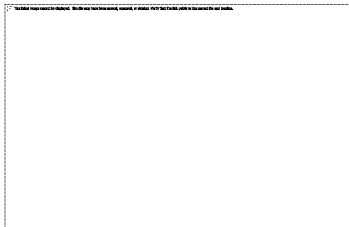


Message

From: James Dotchin [jdotchin@ndep.nv.gov]
Sent: 7/7/2015 5:58:35 PM
To: Fong, Alison [fong.alison@epa.gov]
Subject: FW: Engineers Estimate - IX Treatment of Weir Construction Dewatering
Attachments: removed.txt; NERT Las Vegas Wash IX Estimate .pdf



James (JD) Dotchin
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From: Steve Clough [mailto:steve.clough@nert-trust.com]
Sent: Tuesday, June 09, 2015 2:01 PM
To: James Dotchin; Weiquan Dong
Cc: Andrew Steinberg; Jay A. Steinberg
Subject: Engineers Estimate - IX Treatment of Weir Construction Dewatering

JD,

Attached is an Engineers Estimate prepared by Envirogen Technologies, Inc. to mobilize, construct, operate, and demobilize a modular ion exchange treatment system to the Las Vegas Wash for purposes of treating groundwater generated by dewatering operations at the proposed weir construction sites (Sunrise Weir and Historic Lateral Weir Expansion). As indicated in prior conversations this is not detailed construction cost estimate and should be considered +/- 20 percent of actual costs. The cost estimate also does not include groundwater withdrawal or conveyance to the treatment plant, environmental and construction permitting, lease of property, obtaining access for the treatment plant of conveyances, supplying electrical power to the treatment plant, and/or NERT oversight and management.

The Engineers Estimate summarizes the assumptions used to develop this budgetary estimate. Given the presence of elevated perchlorate concentrations east of the Seep Well Field (potentially extending to the Historic Lateral Weir Expansion construction site), NERT assumed that average perchlorate concentrations could be higher than discussed in our meeting on May 12, 2015. During this meeting Southern Nevada Water Authority indicated that the weir construction project would require 2 years to complete. For costing purposes NERT assumed that dewatering activities would be completed over an 18 month period since dewatering would not be required during the entirety of the project.

If you have any questions feel free to contact me at your convenience.

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